

## ABSTRACT OF THE DISCLOSURE

A method and solution for perioperatively inhibiting a variety of pain and inflammation processes at wounds from general surgical procedures including oral/dental procedures. The solution preferably includes at least one ~~pharmacological agent selected from the group consisting of a mitogen activated protein kinase (MAPK) inhibitor, an  $\alpha_2$  receptor agonist, a neuronal nicotinic acetylcholine receptor agonist, a cyclooxygenase 2 (COX 2) inhibitor, a soluble receptor and mixtures thereof, and optionally additional multiple pain and inflammation inhibitory agents tumor necrosis factor (TNF) soluble receptor~~ at dilute concentration in a physiologic carrier, such as saline or lactated Ringer's solution. The solution is applied by ~~continuous irrigation of a wound locally and perioperatively to a surgical site~~ during a surgical procedure for preemptive inhibition of pain and while avoiding undesirable side effects associated with oral, intramuscular, subcutaneous or intravenous application of larger doses of the agents.

LAW OFFICES OF  
CHRISTENSEN O'CONNOR JOHNSON KINDNESS<sup>PLLC</sup>  
1420 Fifth Avenue  
Suite 2800  
Seattle, Washington 98101  
206.682.8100